

**PRISM ASSEMBLY WITH CHOLESTERIC REFLECTORS**

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Abstract Of The Disclosure

A beam splitter is constructed using one or more  
5 cholesteric layers. Each cholesteric layer reflects light of a  
given wavelength and polarization. The beam splitter is placed  
in a prism assembly. The cholesteric layers of the beam  
splitter are chosen such that portions of light entering the  
beam splitter are individually directed to a specific light path  
10 or to a processing face of the prism assembly. A microdisplay  
is mounted on each processing faces forms a kernel, and each  
microdisplay processes the light portions (light beams) directed  
toward them. Light beams reflected from the microdisplays have  
image content added to them from the microdisplays. The kernel  
15 is utilized in a light management system, such as that used in a  
video projection (e.g., projection television).